CONTACT US!
1-800-249-1612
rtautomation.com

Real Time Automation Gateways

460BMSPBS-NNPB

PROFIBUS to BACnet MS/TP Manager

FEATURES

- Fully configurable BACnet MS/TP Subordinate
- BACnet MS/TP supports device, binary I/O, analog I/O, and character string value object types
- Fully configurable PROFIBUS slave
- Supports 244 bytes of data in each direction on PROFIBUS DP
- Effortless Browser Based Configuration, no programming software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- 5-Year Hardware Warranty

Connect a BACnet MS/TP Manager Device to a PROFIBUS Controller

The 460BMSPBS moves data between a BACnet MS/TP Manager and a PROFIBUS DP controller. It's the perfect tool to tie in all the BACnet MS/TP devices in your automation system to PROFIBUS.
Bridge your factory automation systems with your building automation systems.

How Do I Use the 460BMSPBS-NNPB in My Application?

BACnet MS/TP data will be mapped into 10 PROFIBUS DP slots. The Slot can consist of up to 244 bytes of data from your BACnet MS/TP Manager device. When writing from your PROFIBUS controller to your BACnet MS/TP Manager, there will be up to 10 slots each defined by the same types. Data in those slots can be mapped to your BACnet MS/TP Manager device.

Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

MS/TP Managers 460BMSPBS-NNPB Master

A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: **To move your data where you need it, when you need it, and how you need it.**

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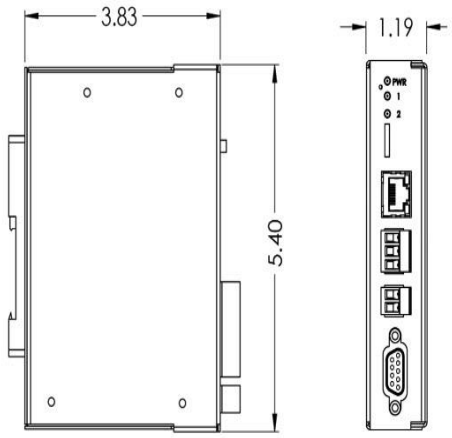
BACNET MS/TP RESPONDER FEATURES	
Operation Mode	BACnet MS/TP Manager Responder
Supported Object Types	Device, Binary I/O, Analog I/O, Character String Value
Supported Service Codes	Read & Read Multiple-B, Write & Write Multiple-B, COV & COV unsolicited-B, Device Dynamic Binding-B, Dynamic Object Binding-B
Maximum Connections	1
Analog Objects Supported	1200 Input and 1200 Output
Binary Objects Supported	1600 Input and 1600 Output
PROFIBUS SLAVE FEATURES	
Maximum Number of Slots	10 Slots in, 10 Slots out
Slot Data Segment Sizes	2, 4, 8, 16, 24, 32 Bytes
Each Slot Can be Defined for a Single Data Type of	Int8, int16, int32, int64, UInt8, Uint16, Uint32, Uint64, float, double, binary8, binary16 or binary32, Short String
Total Data Supported	244 Bytes in each direction
Maximum Profibus DP Controller Connections	1
Baud Rates Supported	Autobaud (9600, 19.2K, 45.45K, 93.75K, 187.5K,500K, 1.5M, 3M, 6M, 12M bits per second)
INCLUDED WITH GATEWAY	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff
Manual	

ELECTRICAL / ENVIRONMENTAL	
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	CE Approvals
ENCLOSURE / HARDWARE	
Size	5.40" x 3.83" x 1.19"
Weight	7.6 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED & 2 general purpose LEDs on side
GATEWAY FEATURES & FUNCTIONS	
Alarming	Set <, <=, >, >=, ==, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent.
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
Translation Table	Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway.
Status and Counters	Protocol specific status, counters, and error messages are accessible within the gateway's diagnostics page. They can also be delivered to a connected device.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460BMSPBS-NNPB	Connects a BACnet MS/TP Manager with a PROFIBUS DP controller

ALWAYS IN STOCK | READY TO SHIP | MADE IN THE USA | EXPERT SUPPORT | 5-YEAR WARRANTY | EMPLOYEE OWNED